

AN ORDINANCE certifying and approving the need for the services of a consultant to provide professional services for the Fort Wayne Water Utility for the water distribution base map conversion and Geographic Information System (GIS) development project for the the City of Fort Wayne through its Board of Public Works.

WHEREAS, the City of Fort Wayne through its Board of Public Works desires to provide professional conversion and development services for the Fort Wayne Water Utility for the water distribution base map conversion and Geographic Information System (GIS) development project; and

WHEREAS, the City of Fort Wayne does not have the capability of performing this work with in-house forces; and

WHEREAS, the Board of Public Works desires to hire a consultant to provide the various professional conversion and development services to the Fort Wayne Water Utility; and

WHEREAS, it is anticipated that the amount to be paid to said consultant, on an annual basis, will be in excess of \$100,000.00.

NOW, THEREFORE, BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

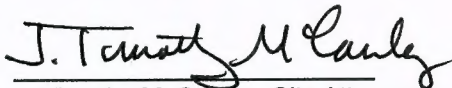
SECTION 1. The Common Council of the City of Fort Wayne hereby certifies and approves the need for a consultant for professional conversion and development services

for the Fort Wayne Water Utility for the water distribution base map conversion and
Geographic Information System (GIS) development project.

SECTION 2. This Ordinance shall be in full force and effect from and after its
passage and any and all necessary approval by the Mayor.


Council Member

APPROVED AS TO FORM
AND LEGALITY


J. Timothy McCaulay, City Attorney

DIGEST SHEET

TITLE OF ORDINANCE SPECIAL ORDINANCE

DEPARTMENT REQUESTING ORDINANCE FORT WAYNE WATER UTILITY - KEVIN HOLLE

SYNOPSIS OF ORDINANCE APPROVES CONSULTANT FOR PROFESSIONAL CONVERSION AND DEVELOPMENT SERVICES FOR THE WATER DISTRIBUTION BASE MAP CONVERSION AND GEOGRAPHIC INFORMATION SYSTEM (GIS) DEVELOPMENT PROJECT.

EFFECT OF PASSAGE CONSULTANT SERVICES ARE APPROVED.


EFFECT OF NON-PASSAGE CONSULTANT SERVICES ARE NOT APPROVED.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) _____

ASSIGNED TO COMMITTEE (PRESIDENT) _____

MEMORANDUM

TO: Common Council Members

FROM: Kevin S. Holle, GIS Manager 

DATE: October 6, 1997

RE: Certificate of Need for Consulting Services

PROJECT: Fort Wayne Water Utility (FWWU) Water Distribution Base Map
Conversion & GIS Development Project

FORWARD

City Utilities is seeking a consultant to provide professional services for the water distribution base map conversion and Geographic Information System (GIS) development project. The successful consultant will be the one actually completing the conversion work.

BACKGROUND

Currently, City Utility's water distribution base mapping is performed on maps that are of linen or mylar material. The maps, which are one-of-a-kind and decades old, are drawn by hand using ink drafting pens. This method of mapping, which was the only way to map for many decades, now displays many shortcomings in comparison to how base mapping can be performed with today's technology.

SUPPORT FOR THE PROJECT

The project, in short, is to convert the existing water base maps into a computer format. Once the maps are in the computer, using technology we'll be able to:

- extend easier access to the maps and data to other City departments and the general public;
- safely store and retrieve the maps;
- eliminate duplication and redundant mapping caused by current mapping methods, essentially "singing from the same sheet of music;"
- support the needs of our maintenance departments, who are requiring more up-to-date information and a streamlined exchange of information.

APPROVAL

This project is critical for the City to deliver more cost-efficient services to the citizens, and to progress with the technology that enables us. Beyond this memorandum is a list of many positive points about this project and the benefits to be gained.

Therefore, your approval of these consultant services is important to us.

Read the first time in full and on motion by Belmick,
and duly adopted, read the second time by title and referred to the Committee on
Finance, (and the City Plan Commission for recommendation)
and Public Hearing to be held after due legal notice, at the Common Council Conference
Room 128, City-County Building, Fort Wayne, Indiana, on _____,
the _____ day of _____, 19____, at
o'clock _____ M., E.S.T.

DATED: 10-14-97

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Read the third time in full and on motion by Belmick,
and duly adopted, placed on its passage. PASSED
by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT
TOTAL VOTES	<u>9</u>			
BENDER	<u>✓</u>			
CRAWFORD	<u>✓</u>			
EDMONDS	<u>✓</u>			
HALL	<u>✓</u>			
HAYHURST	<u>✓</u>			
HENRY	<u>✓</u>			
LUNSEY	<u>✓</u>			
RAVINE	<u>✓</u>			
SCHMIDT	<u>✓</u>			

DATED: 10-28-97

Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana,

as (ANNEXATION) _____ (APPROPRIATION) _____ (GENERAL) _____ (SPECIAL) _____
(ZONING) _____ ORDINANCE _____ -RESOLUTION NO. I-93-97
on the 28th day of October, 19 97

ATTEST:
Sandra E. Kennedy
SANDRA E. KENNEDY, CITY CLERK

SEAL

Thomas P. Helmke
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the
28th day of October, 19 97,
at the hour of 11:00 o'clock A., M., E.S.T.

Approved and signed by me this 30th day
of October, 19 97, at the hour of 12:20
o'clock P. M., E.S.T.

PAUL HELMKE
PAUL HELMKE, MAYOR

Frequently Asked Questions (FAQ)
for the
FORT WAYNE WATER UTILITY (FWWU)
WATER DISTRIBUTION BASE MAP CONVERSION
& GIS DEVELOPMENT PROJECT

Summary:

City Utilities is seeking a consultant to provide professional services for the water distribution base map conversion and Geographic Information System (GIS) development project. The successful consultant will be the one actually doing the conversion work.

Currently, City Utility's water distribution base mapping is performed on maps that are of linen or mylar material. The maps, which are one-of-a-kind and decades old, are drawn by hand using ink drafting pens. This historical method of mapping, which was the only way to map for many decades, now displays many shortcomings in comparison to how base mapping can be performed using today's technology.

In short, the project is to convert historical mapping practices into a digital world. Water mains, hydrants, valves and other distribution features will be duplicated onto the existing GIS digital base map.

Why Must We Do This Project?

The following answers range from basic to complex.

- 1) To migrate from a historical way of mapping to a new digital form
- 2) Backups and storage capabilities
- 3) 30+ year old one-of-a-kind maps
- 4) Duplication of information on base maps
- 5) Computer access and connectivity
- 6) Maintenance departments' ability to use labeling scheme
- 7) Ability to receive more bonding for projects.
- 8) Querying, displaying and reporting capabilities
- 9) Ability to store decades of information readily available to everyone
- 10) Proactive and scheduled maintenance programs, planning
- 11) In step with the Utility's master plan for the future

Do Other Cities and Governments Have Projects Like This?

Yes. Government officials all over the world, from small towns to large Canadian provinces, are aware of the benefits of GIS and these projects.

How are We Paying for This Project?

Through the Water Utility's O&M budget. Due to the Utility beginning the project near the end of this year, 1997, part of the project has already been budgeted. The remainder of the project is budgeted in 1998.

Why Do We Need a Consultant?

Due to the complex nature of geographic databases and technology, and the resources (people, technology and dollars) required to complete a project of this magnitude in a timely and cost-effective manner.

What if We Don't Do This Project?

This can be answered a lot by the first question, **Why are we Doing this Project?** The City and Utility wouldn't move ahead in technology, which could mean becoming less competitive, lending ourselves to privatization. Most private institutions already utilize forms of this technology.

BILL NO. S-97-10-01

REPORT OF THE COMMITTEE ON FINANCE

DONALD J. SCHMIDT - JOHN N. CRAWFORD - CO-CHAIR
ALL COUNCIL MEMBERS

WE, YOUR COMMITTEE ON FINANCE TO WHOM WAS
REFERRED AN (ORDINANCE) (~~XXXXXXXXXX~~) certifying and approving the
need for the services of a consultant to provide professional services
for the Fort Wayne Water Utility for the water distribution base map
conversion and Geographic Information System (GIS) development project
for the City of Fort Wayne through its Board of Public Works

HAVE HAD SAID (ORDINANCE) (~~XXXXXXXXXX~~) UNDER CONSIDERATION
AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID
(ORDINANCE) (~~XXXXXXXXXX~~)

DO PASS

DO NOT PASS

ABSTAIN

NO REC

DJL

Thomas H. Hays

Martin A. Bender

Chapman House

John E. Linn

Rebecca Caprine

Richard Hall

DATED: 10-28-97.

Sandra E. Kennedy
City Clerk